

COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

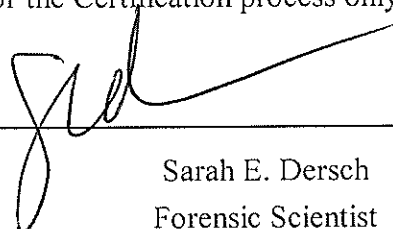
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010636
DATE CERTIFICATION METHOD PERFORMED: June 16, 2015
DATE RECERTIFICATION DUE: December 13, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.008 g/210 L

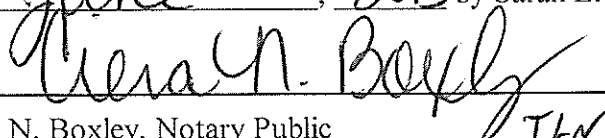
The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.



Sarah E. Dersch
Forensic Scientist

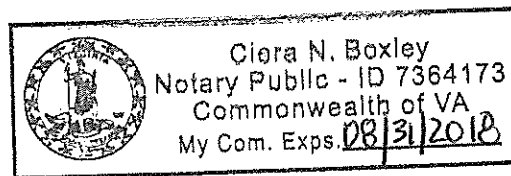
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19th day of June, 2015 by Sarah E. Dersch



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
6/16/2014 To 6/16/2015

HMS
sid

Instrument Serial Number: 010636

As of 17-Jun-15

Maintenance Date	Certification Date	Technician Initials	Remarks
16-Jun-15	16-Jun-15	HMS (18910)	CERTIFIED
13-Jan-15	13-Jan-15	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
13-Aug-14	13-Aug-14	HMS (18910)	CERTIFIED

Handwritten initials/signature

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010636 Worksheet Start Date 6/16/2015

Location Fort Belvoir

Address 6080 Abbott Rd., Fort Belvoir, VA 22060

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 754 Reference Barometer (mm HG) 756

Reference Barometer(RB)Serial # 009113 RB Calibration Due 4/16/2016

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.295
0.300	0.298	0.289	0.306	Sample 2	0.295
Precision		sample min	sample max	Sample 3	0.295
0		0.295	0.295		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.099	0.096	0.102	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

Dry gas standard Lot No. (with tank no.) AG400202-39

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010636

Certification Date

6/16/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.248	0.240	0.255	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0		0.245	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

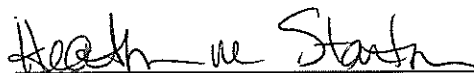
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.079	0.076	0.082	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

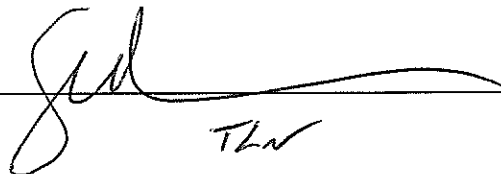
DFS Technician



Date

6/17/15

Issuing Analyst



Date

6/17/15




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

tho
sd

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 06/16/2015
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 13:21 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 17 Jun 2015 at 08:14

AMS
Jed

Test Results

Instrument Serial Number 010636

Test # 000380 Subject Test

Test Location 1 Department of
Test Date 16 Jun 2015

Test Location 2 Forensic Science
Test Time 13:13
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Jun 2015 End Time 13:22

Result Time 13:21

Result Date 16 Jun 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:13

Data Type BLK

Sample Value 0.000

Sample Time 13:14

Data Type CHK

Sample Value 0.099

Sample Time 13:14

Data Type BLK

Sample Value 0.000

Sample Time 13:16

Data Type SUBJ

Sample Value 0.000

Sample Time 13:16

Data Type BLK

Sample Value 0.000

Sample Time 13:17

Data Type SUBJ

Sample Value 0.000

Sample Time 13:21

Data Type BLK

Sample Value 0.000

Sample Time 13:22

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG400202-39

Standard Expiration Date 01/02/2016

Tank Pressure 953

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.46 sec

Blow Volume 1780 cc End-of-Blow Time 13:16

Blow Sample Number 2 Blow Duration 3.06 sec

Blow Volume 1749 cc End-of-Blow Time 13:21

Tamper Evident Stamp 1bb7cf0f

Test Status Code 0

Test Status Success

AMS
sid

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 381

Test Date: 06/16/2015 Test Time: 13:23 EDT

Dry Gas Target: 0.099

Lot Number: AG400202-39 Exp Date: 01/02/2016

Tank Pressure: 948 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:23
CHK	0.099	13:24
BLK	0.000	13:26
CHK	0.099	13:26
BLK	0.000	13:28
CHK	0.099	13:28

Test Status: *Success*

Calibration CRC: BB2D8DCD

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 382

Test Date: 06/16/2015 Test Time: 13:31 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-08 Exp Date: 03/06/2017

Tank Pressure: 80 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:31
CHK	0.298	13:32
BLK	0.000	13:34
CHK	0.298	13:35
BLK	0.000	13:36
CHK	0.297	13:37

Test Status: *Success*

Calibration CRC: BB2D8DCD

AND
DRL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 383
Test Date: 06/16/2015 Test Time: 13:39 EDT

Technician Initials: HMS

Dry Gas Target: 0.248

Lot Number: 1611425014-02 Exp Date: 07/05/2016

Tank Pressure: 703 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:39
BLK	0.000	13:40
CHK	0.245	13:41
BLK	0.000	13:42
CHK	0.245	13:43
BLK	0.000	13:45
CHK	0.245	13:46
BLK	0.000	13:47

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
sub

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 384
Test Date: 06/16/2015 Test Time: 13:49 EDT

Technician Initials: HMS

Dry Gas Target: 0.149

Lot Number: 16114150I3-01 Exp Date: 07/05/2016

Tank Pressure: 105 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:49
BLK	0.000	13:50
CHK	0.148	13:51
BLK	0.000	13:52
CHK	0.148	13:53
BLK	0.000	13:54
CHK	0.147	13:55
BLK	0.000	13:57

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Handwritten initials/signature

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 385
Test Date: 06/16/2015 Test Time: 13:58 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 34413080I2-03 Exp Date: 01/01/2016

Tank Pressure: 963 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:58
BLK	0.000	13:59
CHK	0.077	14:00
BLK	0.000	14:01
CHK	0.077	14:02
BLK	0.000	14:03
CHK	0.077	14:04
BLK	0.000	14:05

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
ful

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 386
Test Date: 06/16/2015 Test Time: 14:07 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.020

Lot Number: 1611402011-04 Exp Date: 07/05/2016

Tank Pressure: 688 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:07
BLK	0.000	14:08
CHK	0.019	14:08
BLK	0.000	14:10
CHK	0.019	14:10
BLK	0.000	14:12
CHK	0.019	14:12
BLK	0.000	14:14

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS
SLK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 387

Test Date: 06/16/2015 Test Time: 14:16 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-08 Exp Date: 03/06/2017

Tank Pressure: 75 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:16
CHK	0.295	14:17
BLK	0.000	14:19
CHK	0.295	14:20
BLK	0.000	14:22
CHK	0.295	14:23

Test Status: *Success*

Calibration CRC: BB2D8DCD

AMS
hd

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 388

Test Date: 06/16/2015 Test Time: 14:25 EDT

Dry Gas Target: 0.099

Lot Number: AG400202-39 Exp Date: 01/02/2016

Tank Pressure: 924 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:26
CHK	0.097	14:27
BLK	0.000	14:28
CHK	0.097	14:29
BLK	0.000	14:30
CHK	0.097	14:31

Test Status: *Success*

Calibration CRC: BB2D8DCD




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
RA

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 06/16/2015
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 14:39 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 16 Jun 2015 at 15:11

FD
HMS

Test Results

Instrument Serial Number 010636

Test # 000389 Subject Test

Test Location 1 Department of

Test Date 16 Jun 2015

Test Location 2 Forensic Science

Test Time 14:33

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

Effective Date 10/01/2014

Subject's Date of Birth 00/00/0000

Operator's Middle Initial M

License Number 18910

Expiration Date 10/01/2016

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 16 Jun 2015 End Time 14:40

Result Time 14:39

Result Date 16 Jun 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:33

Data Type BLK

Sample Value 0.000

Sample Time 14:34

Data Type CHK

Sample Value 0.097

Sample Time 14:35

Data Type BLK

Sample Value 0.000

Sample Time 14:36

Data Type SUBJ

Sample Value 0.000

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Data Type SUBJ

Sample Value 0.000

Sample Time 14:39

Data Type BLK

Sample Value 0.000

Sample Time 14:40

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG400202-39

Standard Expiration Date 01/02/2016

Tank Pressure 919

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 3.42 sec

Blow Volume 1743 cc End-of-Blow Time 14:37

Blow Sample Number 2 Blow Duration 3.45 sec

Blow Volume 1773 cc End-of-Blow Time 14:39

Tamper Evident Stamp 61ee869a

Test Status Code 0

Test Status Success